

HOLOBUT, Wieslaw; KOLATAJ, Adam

Polarographic determination of cysteine during heart perfusion in frogs. Acta physiol pol 12 no.1:73-80 '61.

1. Z Zakladu Fizjologii Czlowieka A.M. w Lublinie Kierownik: prof. dr W. Holobut.

(HEART physiol) (PERFUSION) (CYSTEINE metab)

KOLATAJ, Adam

Need of physiological research on heterosis in animals.  
Kosmos biol 12 no.3:249-255 '63.

KOLATAJ, Adam

Certain physiological properties of sulfhydryl compounds. Kosmos  
biol 12 no.5:433-448 '63.

KOLATAJ, Adam

Electrophoretic studies on the hemoglobin in chicks with special reference to heterosis. Acta physiol. pol. 14 no.1: 127-133 '63.

1. Z Katedry Ogólnej Hodowli Zwierząt WSR w Lublinie Kierownik: prof. dr L. Kaufman Z Zakładu Fizjologii Zwierząt U.M.C.S. w Lublinie Kierownik: prof. dr W. Holobut.  
(HYBRIDIZATION) (HEMOGLOBINOMETRY)  
(BLOOD PROTEIN ELECTROPHORESIS)

KOLATAJ, Edyta

Defensive mechanisms in plants. Pt. II. Kosmos biol 10 no.5:455-461  
'61.

1. Zaklad Mikrobiologii Ogolnej, Uniwersytet Marii Curie-Sklodowskiej,  
Lublin.

(Plants)

KOLATAJ, Edyta

Hemagglutinins in *Lupinus luteus*. *Acta microbiol. pol.* 11 no.4:  
335-340 '62.

1. Z Katedry Mikrobiologii Uniwersytetu Marii Curie-Skłodowskiej w  
Lublinie.

(ANTIBODIES)

(HEMAGGLUTINATION)

(PLANTS)

KOLATY, Miklos, dr.; BACKHOUSZ, Richard, dr.; SZABO, Lajos, dr.;  
BATORY, Gabriela, dr.; NAGY, Maria, dr.

Isolated beta-2-alpha-globulin deficiency in a case of partial antibody deficiency. Orv. hetil. 105 no.21:989-990  
24 My'64

1. Szegedi Orvostudományi Egyetem, Gyermekklinika és Humán  
Öltanyagtermelő és Kutató Intézet.

\*

KOLATOVA, A.I.; OMUROV, I.O.

Data on a study of the stimulation of healing of cutaneous wounds under experimental conditions. *Biul. eksp. biol. i med.* 37 no. 3: 54-57 Nr '54. (MLBA 7:6)

1. Is kafedry gistologii, (sav. prof. A.A. Braun) Kirgizskogo meditsinskogo instituta, Frunse.

(WOUNDS AND INJURIES, experimental,  
\*skin, healing stimulation)

(SKIN, wounds and injuries,  
\*exper., healing stimulation)



KARPINSKIY, V.I., kand. tekhn. nauk; DUDCHENKO, N.P., inzh.;  
VASILEV, Nikolay, inzh.; KOLAYDZHITSKIY, Stoyan, inzh.

Using centrifuges for making shells with longitudinal  
prestressed reinforcement. Transp. stroi. 15 no.11:53-55  
N '65. (MIRA 18:11)

1. Ministerstvo transportnogo stroitel'stva SSSR (for Karpinskiy,  
Dudchenko). 2. Ministerstvo transporta Narodnoy Respubliki  
Bolgarii (for Vasilev, Kolaydzhitskiy).

SURA, V.V.; KOLAYEV, V.A.; KOVALEVSKIY, G.V.

Experimental reproduction of some clinicomorphological manifestations of systemic lupus erythematosus; preliminary report. Sov. med. 27 no.2:42-49 F '64. (MIRA 17:10)

1. Klinicheskiy otdel (zav. - prof. Ye.N. Meshalkin) i laboratoriya patomorfologii (zav. - dotsent Yu.G. TSellarius) Instituta eksperimental'noy biologii i meditsiny (IEBiM) Sibirskogo otdeleniya AN SSSR i kafedra gospi'tal'noy terapii (zav. - prof. A.A. Demin) Novosibirskogo meditsinskogo instituta.

FUKS, B. B.; KONSTANTINOVA, I. V.; KOLAYEVA, S. G.; TSYGANKOV, A. P.; SHUL'GA, V.A.  
KRASS, P.M. MAKSIMOVSKIY, L. F.

"Anti-BSA formation initiated in vivo and in vitro by ribonucleic acid from lymph nodes and spleen of immunized rabbits (histochemical, biochemical and immunological investigation)."

report submitted for 2nd Intl Cong, Histochemistry & Cytochemistry, Frankfurt, 16-21 Aug 64.

Moscow.

Dept of Experimental Biology, Inst of Cytology & Genetics, AS USSR, Novosibirsk 72.

KOLAYEVA, S. G., FUKS, B. B.

"The Histochemistry of Proteins During Growth Changes and the Regeneration of the Connective Tissue of the Skin and Aorta in Humans and Animals."

report submitted for the First Conference on the problems of Cyto and Histochemistry, Moscow, 19-21 Dec 1960.

Laboratory of Histochemistry, Division of Experimental Biology and Pathology of the Institute of Experimental Biology and Medicine, Siberian Division, Academy of Sciences USSR, Novosibirsk.

KOLAYEVA, S.G.

Materials on the histochemistry of age-related changes in the connective tissue. Vop. pat. i reg. org. krov. i dykh. no.1:165-170  
'61. (MIRA 18:7)

KOLAYEVA, S.G.

Study of the isoelectric zones of cytoplasmic proteins in fibroblasts. TSitologiya no.1: 101-103 Ja-F'63.

(MIRA 16:6)

1. Laboratoriya gistokhimii Instituta eksperimental'noy biologii i meditsiny Sibirskogo otdeleniya AN SSSR, Novosibirsk.  
(FIBROBLASTS) (PROTEINS)

KOLAYEVA, S.G.

Histochemical study of the proteins of precollagenous fibers in regenerating connective tissue. Biul.eksp.biol.i med. 54 no.11: 98-101 N '62. (MIRA 15:12)

1. Iz laboratorii gistokhimii (sav. - doktor med.nauk B.B.Fuks) Instituta eksperimental'noy biologii i meditsiny (dir. - prof. Ye.N.Meshalkin) AN SSSR, Novosibirsk. Predstavlena deystriatel'nym chlenom AMN SSSR V.V.Parinym.  
(PROTEINS) (CONNECTIVE TISSUES) (COLLAGEN)

FUKS, B.B.; KONSTANTINOVA, I.V.; STEFANOVICH, L.Ye.; LUK'YANOVA, I.G.;  
TSYGANKOV, L.I.; KOLAYEVA, S.G.; KRASS, I.M.; VAN'KO, L.V.

Specific biosynthesis of antibodies induced by ribonucleic acid from  
the lymphatic nodes and spleen of immune rabbits. Dokl. AN SSSR 153  
no.2:485-488 N '63. (MIRA 16:12)

1. Institut tsitologii i genetiki Sibirskogo otdeleniya AN SSSR.  
Predstavleno akademikom A.N.Belozerskim.



KOLB, Jozsef

Experiences with the application of rules governing the activities of artistic ensembles. Munka 10 no.3:19 Mr '60.

1. Szakszervezetek Országos Tanácsa kulturális osztályának munkatársa.

KOLB, Jozsef

Artistic ensembles in Hajdu-Bihar County. Munka 10 no.4:15 Ap '60.

1. Szakszervezetek Országos Tanácsa kulturális osztályának munkatársa.

KOLB, Jozsef

After the festivals. Munka 11 no.10:14-15 0 '61.

1. Szakszervezetek Országos Tanácsa kulturális osztályának  
munkatársa.

KOLB, Jozsef

Literary programs and the country workmen's homes. Munka 11 no.2:  
14-15 F '61.

1. Szakszervezetek Országos Tanácsa kulturális osztályának munkatársa.

(Hungary--Labor and laboring classes)  
(Hungary--Intellectual life)

KOLLAR, Endre; KOLB, Jozsef

Liszt and Bartok. Munka 11 no.4:20-21 Ap '61.

1. Zenemuvoszek szaksszervezete fommkatarsa (for Kollar) 2. Szakszervezetek Orszagos Tanacsas kulturalis osztalyanak munkatarsa(for Kolb).

(Liszt, Franz) (Bartok, Bela) (Composers, Hungarian)

KOLB, L.

Kolb, L.

"The graph helps prevent accidents." p. 12.  
(Auto Motor, Vol. 6, no. 12, June 1953, Budapest.)

SO: Monthly List of East European Accessions, Vol. 2, No. 9, Library of Congress, September 1953, Uncl.

KOLB, L.

Bases and possibilities of shell molding.

p. 11 (TEZHKA PROMISHLENOST) Vol. 6, no. 7, July 1957,  
Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,  
March 1958

KOLB, M.

Observations concerning field medical services. p. 208.

REVISTA MINELOR

Vol. 7, no. 5, May 1956

Rumania

Source: EAST EUROPEAN LISTS Vol. 5, no. 10 Oct. 1956



KOLB, M.

Some observations on examinations for the grades of captain and major in the medical corps. p. 214.

REVISTA MINELOR

Vol. 7, no. 5, May 1956

Rumania

Source: EAST EURO: EAN LISTS Vol. 5, no. 10 Oct. 1956

KOLB, Martin, dr., pukovnik

Various observations on the medical service in the army. Voj.  
san. pregl., Beogr. 11 no.5-6:208-210 May-June 54.  
(MEDICINE, MILITARY AND NAVAL  
in Yugosl.)

KOLB, Martin, dr. pukovnik

Some observations on taking the examination for captain and major in the medical service. Voj. san. pregl., Beogr. 11 no.5-6:214-217 May-June 54.

1. Ispitna komisija za cin kapetana i majora san. sluzbe.

(MEDICINE, MILITARY AND NAVAL

in Yugosl., exam. for. captain & major in med.serv.)

(ARMED FORCES PERSONNEL

exam. for captain & major in med. serv. in Yugosl.)

KOLB, V.G.

Evaluation of the reactivity of the skin determined by the tests of  
electrometry, Groer, and Kavetskii. Zdrav. Belor. 4 no.2:30-34 F  
'58. (MIRA 13:8)

1. Iz kafedry biokhimii (zaveduyushchiy - professor M.F. Mereshinskiy)  
Minskogo meditsinskogo instituta.  
(SKIN)

KOLB, V. G., Cand Med Sci (diss) -- "Investigation of the physico-chemical properties and reactivity of the skin". Minsk, 1959. 18 pp (Minsk State Med Inst), 150 copies (KL, No 10, 1960, 136)

KOLB, V.G.

Test of the typological character of skin reactivity by the  
electrometric method (electropathergometry). Zdrav.Belor. 5  
no.6:45-48 Je '59. (MIRA 12:9)

1. Iz kafedry biokhimii (zaveduyushchiy - prof.N.F.Mereshinskiy)  
i kafedry obshchey khimii (zaveduyushchiy - dotsent V.A.Bandarin)  
Minskogo meditsinskogo instituta.  
(SKIN) (ELECTRIC MEASUREMENTS)

KOLB, V.G.

Intravital investigation of the physical and chemical characteristics of the skin by means of moistening with liquids of varying polarity (adhesiometry). Zdrav. Belor. 5 no.10;48-52 0 '59. (MIRA 13:2)

1. Iz kafedry biokhimi (zaveduyushchiy - prof. M.F. Moresinskiy)  
i kafedry obshchey khimii (zaveduyushchiy - dotsent V.A. Bandarin)  
Minskogo meditsinskogo instituta.

(SKIN)

KOLB, V. G. (USSR)

"New Biophysical Methods for Examination of Skin."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 Aug 1961



KOLB, V. G.; KUKHTA, V. K.

Activity of hyaluronidase and antihyaluronidase in the blood  
in pulmonary tuberculosis. Probl. tub. 40 no. 5:83-87 '62.  
(MIRA 15:7)

1. Iz biokhimicheskogo otdela (zav. - kandidat meditsinskikh  
nauk V. G. Kolb) Belorusskogo nauchno-issledovatel'skogo insti-  
tuta tuberkuleza i kafedry obshchey khimii (zav. - dotsent  
V. A. Bandarin) Minskogo meditsinskogo instituta.

(TUBERCULOSIS) (HYALURONIDASE)  
(ANTIHYALURONIDASE)

FIRSOVA, L.P., kand.med.nauk; KOLB, V.G., kand.med.nauk

Frequency and importance of doubtful tuberculin reactions.  
Zdrav.Bel. 8 no.12:11-13 D '62. (MIRA 16:1)

1. Is Belorusskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - kand.med.nauk M.H.Lomako).  
(TUBERCULIN--TESTING)

KOLBA, Vilmos, dr.

Sport injuries of the maxillary sinus and cheek bones.  
Fulorrgegygyasszat. 9 no. 2:73-81 Jé '63.

1. Az Országos Testnevelési és Sportegészségügyi Intézet  
(Budapest) Ful-orr-gegeosztalynak (foorvos: Kolba Vilmos dr.)  
koslomenye.

(FACIAL INJURIES) (FRACTURES) (ZYGOMA) (MAXILLARY SINUS)  
(HEMATOMA) (SPORT MEDICINE)

YEGORUSHKIN, Vasilii Yegorevich; KOLB, Vitalii L'vovich; STEPURE,  
Mikhail Aleksandrovich; TSEPLOVICH, BORISANIN Isaakovich;  
NEKHAY, V.T., red.; MORGUMOVA, G.M., tekhn. red.

[Mechanical engineering] Mashinovedenie. Minsk, Izd-vo  
M-va vysshego, srednego spetsial'nogo i professional'nogo  
obrazovaniia BSSR, 1963. 554 p. (MIRA 16:9)  
(Mechanical engineering)

KOLBA, M.

When the expert is quizzed. p. 29.  
(MASZAKI ELET. No. 4, Feb. 1955. Budapest.)

SO: Monthly List of East European Accession. (EEAL). Lc. Vol 4 Nov. 11 Nov. 1955 Uncl.

KASSAY, Dezzo, dr.,; KOLBA, Vilmos, dr.

Surgery of mucocoeles in the paranasal sinuses, with retention of the mucous membrane. Orv. hetil. 96 no.41:1140-1142 9 Oct 55.

1. A Budapesti Orvostudományi Egyetem II. sz. Sebészeti  
Klinikájának (igazgató: Rubanyi Pál dr. egyet. tanár) közleménye.  
(PARANASAL SINUSES  
mucocoele, surg. with retention of mucous membrane.)

KOLBABA, Jaroslav, inz.

Graphic chart of the collective operation of a blast furnace during a day. Prace mzda 11 no.10:451-455 0'63.

1. Nova hut Klementa Gottwalda, Ostrava - Kuncice.

KOLBABA, Jaroslav, inz.

Investigation of the use of cranes in rolling mills by means  
of the production organization analysis. Prace mzda 12 no.11:  
498-504 N '64.



KOLBABA, Jaroslav, inz.; SRAMEK, Miroslav

Processing the record of a workday by an automatic computer.  
Prace mzda 13 no.2:58-64 F '65.

1. Nova hut Klementa Gottwalda National Enterprise, Ostrava-Kuncice.

L 7674-66 EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(l)/EWA(c) JD/MW  
ACC NR: AP6001278 SOURCE CODE: CZ/0057/65/000/002/0074/0078

AUTHOR: Kolbaba, Jaroslav (Engineer)

ORG: NHKG, Ostrava

TITLE: Method of Kovaljev at the rolling mill of NHKG

SOURCE: Hutnik, no. 2, 1965, 74-78

TOPIC TAGS: rolling mill, metal rolling, industrial production

ABSTRACT: Kovaljev's method allows an increase in the production of a rolling mill without expensive investments. A thorough analysis of the working method, and other intensifications of the rolling processes are discussed. An overall increase of production of 12% should result from the introduction of Kovaljev's method. Duties of operators are discussed. Rolling of two ingots in tandem is evaluated. The importance of electric drives for trouble-free operation is discussed. Increase in the weight of ingots, and of their diameters, for increasing the production rate in the rolling mill is evaluated. Orig. art. has: 2 figures, 4 tables.

[JPRS]

SUB CODE: 13, 14 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 001

Card 101

L 20819-66 EWP(c)/EWP(r)/EWP(t)/EWP(h)/EWP(l) JD

ACC NR: AP6012015

SOURCE CODE: CZ/0057/65/000/004/0158/0163

AUTHOR: Kolbaba, Jaroslav (Engineer)

ORG: NHKG, Ostrava

TITLE: Determination of the normal number of operators at a blast furnace hearth

SOURCE: Hutnik, no. 4, 1965, 158-163

TOPIC TAGS: blast furnace, slag

ABSTRACT: The hearth operators are supposed to do the following work: tap the iron flow, stop the tapping, service the hearth during slag tapping, control the operation of the furnace, and the cooling system, service the slag runners, do the maintenance operation of the fittings of the furnace, and maintain the place clean. The most important factors they have to see to are: sufficient fuel gas pressure, to supply the required amount of blast air, and maintain its required pressure. The normal number at present is 6. The author studied their activity, and found that they were performing necessary duties for 85% of their shift. The only possible economy he suggests is the removing of the casting crane operator; at present he services 2 furnaces, but spends only 130-150 minutes at each. As the 6 men are now free for 435 minutes each shift, they could assume this task. Orig. art. has: 1 figure and 6 tables. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 001 / SOV REF: 001

Card 1/1

KOLBAH, D.; FILIPOVIC, I.

Book reviews. Croat chem acta 35 no.3:255 '63.

1. Clan Redakcionog odbora, "Croatica Chemica Acta" (for Filipovic).

*Kolbah Dragutin*

YUGO

*Kolbah Dragutin: Priručnik za izračune sa logaritima.*  
Zagreb: Tehnička Knjiga, 1951. 439 pp.

*Kolbah, Dragutin; Handbook for Chemists: with logarithms.*  
Zagreb: Technical Books, 1951. 439 pp.

*Chem  
Educ*

*RM*

YUGOSLAVIA/Organic Chemistry. Synthetic Organic Chemistry.

G-2

Abs Jour: Ref Zhur-Khim , No 13, 1958, 43348.

Author : Kolbah Dragutin, Rill Margita, Cerkovnikov Eugen.

Inst :

Title : 4-(Beta-Dimethylamino-Ethyl)-Tetrahydropyran.

Orig Pub: Acta pharmac. jugosl., 1956, 6, No 2, 65-67.

Abstract: By the action of  $\text{PBr}_3$  on 4-(beta-hydroxy-ethyl)-tetrahydropyran in the presence of  $\text{C}_2\text{H}_5\text{N}$  (48 hours, about  $20^\circ$ ) was obtained 4-(beta-bromethyl)-tetrahydropyran, yield 77%, BP  $102^\circ/13$  mm, by the heating of which (16 hours,  $130^\circ$ ) with  $\text{NH}(\text{CH}_3)_2$  in absolute alcohol was synthesized 4-(beta-dimethylamino-ethyl)-tetrahydropyran, yield 77%, BP  $80-82^\circ/12$  mm, which on boiling with a

Card : 1/2

KolbAH, D

Distr: 4E20(j)

Apparatus for oxidation of lower alcohols to aldehydes in the vapor phase. Kolb, A. H., Mikla, I., Smolyina, and D. Vlaho. *Kem. i ind. (Zagreb)* 6, 185-8 (1950).  
A new app. was designed for the prepn. of aldehydes from lower alcohols by oxidn. with Na dichromate and  $H_2SO_4$ . A 10-l. stainless-steel kettle in an oil bath was fitted with a 6 cm. diam., 80-cm.-long glass column packed with Raschig rings and topped by a 10-cm.-diam. glass reaction sphere also packed with the same rings. A cooled Hahn column and 2  $H_2O$ -cooled reflux condensers completed the take-off part. The feeds entered a T-piece on the reaction sphere from 2 funnels fitted with U bends. Yields exceeding those described in the literature were obtained for the propargyl- (67.5-87.7), butyr- (52-65.8), isobutyr- (48.5-72), and ethoxyacetaldehydes (71.5%). Lower yields resulted for the prepn. of acrolein from allyl alcohol, and valer- and isovaleraldehydes from amyl and isomyl alcs., resp.

Andrew L. Grochowski

6  
92 (1/2)

KOLBAH, D.

Preparation of a sulfuric acid ester of bis-(2-chloroethyl) amine.  
Bul so Youg 9 no.3:65 Je '64.

1. Institute of Organic Chemistry, Pharmaceutical and Biochemical  
Faculty, University of Zagreb, Zagreb.



KOLBAY, K.

"In the Fight for Better Wheat Production Next Year" p.239 (Agrartudomány  
Vol. 5, No. 10, Oct. 1953, Budapest)

SO: Monthly List of East European Vol. 3, No. 3 Library of Congress, March 1954  
Accessions, 1954, Uncl.

KCLBAI, K.

Viewpoints of scientific agriculture in afforestation for protecting fields. p. 73, (AZ ERDO, Budapest, Hungary), Vol. 3, No. 3, Apr. 1954.

EO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

KOLEBI, K.

"Measuring Autumn Wheat Grains on the Surface of the Soil", P. 5,  
Agrartudomány, Vol. 6, No. 1, Jan/Feb. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,  
No. 1, Jan. 1955, Uncl.

KOLBAI, K.

"This Year Soil Moisture Is Increasingly Precious", P. 61, (AGRARTUDOMANY, Vol. 6, No. 3, Mar. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

KOLBAI, K.

AGRICULTURE

PERIODICAL: MAGYAR MEZOGAZDASAG, Vol. 10, no. 21, Nov. 1955.

Kolbai, K. Current questions of maize growing; the double-spaced maize growing in Godollo, a noteworthy experiment. p. 3.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 2,  
February 1959, Unclass.

KOLBAI, K.

KOLBAI, K. Double-rowed maize production at Godollo. p. 149.

Vol. 8, no. 4, Apr. 1956

AGRARTUDOMANY

AGRICULTURE

Budapest, Hungary

So: East European Accession, Vol. 6, No. 5, May 1957

KOLBAI, K., and others.

What kind of fodder plant and plant mixtures should we produce? p. 430  
(Magyar Mezőgazdaság. Vol. 9, no. 4, 1956, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957. Uncl.

KOLBAI, K.; MARKUS, J.; MIHALYI, L.

What kind of silos should we build? p. 443  
(Magyar Mezőgazdaság. Vol. 9, no. 4, 1956. Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957. Uncl.



KOLBAI, K.; CSUKAS, Z.

How to ensile? p. 443

(Magyar Mezőgazdaság. Vol. 9, no. 4, 1956. Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957. Uncl.

KOLBAI, K., AND OTHERS.

Significance of the cattle turnip. p. 446.  
(MAGYAR MEZOGAZDASAG. Vol. 9, no. 4, 1956. Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957. Uncl.

KOLBAI, K.

We answer professional questions. p. 3. (Magyar Mezőgazdaság, Vol. 11, no. 1, Jan. 1956  
Budapest)

SO: Monthly List of East European Accession (EFAL) LC, Vol. 6, no. 7, July 1957. Uncl.

USSR/Cultivated Plants, Grains.

M

Abs Jour : Ref Zhur-Biol., No 15, 1958, 60111

Author : Kolbay, Karoly

Inst : Hungarian University of Agrarian Sciences.

Title : The Godollo Ribbon Method of Cultivating  
Corn: *et. in each row 20 cm.*

Orig Pub : Mezhdunar. is.-kh. zh., 1957, No 2, 71-78  
*... in yield. In each row 20 cm.*

Abstract : The Godollo method of cultivating crops (data of the University of Agrarian Sciences, Hungary) sows the crops in ribbons of two or more rows. The rows can be continuous or can consist of separate nests. In regions where corn is grown by the square-nest method, 85 x 85 cm, leaving 2 plants in each nest, the distance between ribbons of two rows each should be

Card : 1/2

KOLBAL - 0

✓ Properties of the materials used for granulating superphosphates. Béla Kercsény and Olga Kolbal (Agr. Expt. Sta., Mosonmagyaróvár, Hung.). *Agrárkémia és Talajtan* 3, 173-90 (1954) (German summary).—To find the most suitable material to be mixed with superphosphate for granulation, several materials and their mixes with superphosphate were granulated and tested, both for phosphate soly. and resistance to disintegration. From lab. and field tests it was concluded that when using org. materials for granulation, these have little effect on improved crops. High-lime substances, or others, causing a decrease in the water soly. of superphosphate are not appropriate. For industrial granulation, all addas. not lowering soly. of the superphosphate are acceptable, while for granulation on the farm, chicken manure is recommended with some acidic material added for obtaining sufficient consistency. If the granule size obtained is unsatisfactory, or the granules disintegrate when sown along with the seed, the fertilizer should be spread separately and plowed into the field.

Agre

2

Petr D. Moskovits

KOLBAI, Peter

The proposal has already been known. Ujit lap 14 no.16:31  
25 Ag '62.

1. Ujito.

KOL'BAKH, V.I.

Method for quantitative determination of sillimanite,  
rutile, and pyrite in sillimanite ores. Izv.vys.ucheb.  
zav.; geol.i razv. 2 no.11:75-84 M '59.  
(MIRA 13:6)

1. Moskovskiy geologorazvedochnyy institut im. S. Ordzhonikidze.  
(Buryat A.S.S.R.—Sillimanite)

KOL'BAKH, V.I.

Use of compressed air in core drilling of wells. Rasved.i ekh.nedr.  
22 no.3:53-54 Nr '56. (MIRA 9:7)  
(Bering)



KOL'BAKH, V.I.

Morphological variations in sillimanite from Kyakhta deposits.  
Izv. vys. ucheb. zav.; geol. 1 razv. 3 no.6:64-69 Je '60.

(MIRA 14:7)

1. Moskovskiy geolograzvedochnyy institut imeni S.  
Ordzhonikidze.

(Kyakhta region—Sillimanite)

BUTYAGIN, P.Fu.; Primal uohastiye KOLBANEV, I.V.

Mechanochemical transformations in macromolecules at 80°K.  
Dokl. AN SSSR 148 no.1:129-131 Ja '63. (MIRA 16:2)

1. Institut khimicheskoy fiziki AN SSSR. Predstavleno akademikom  
V.N. Kondrat'yevym.  
(Macromolecular compounds) (Radicals (Chemistry)—Spectra)

BUTYAGIN, P.Yu.; DROZDOVSKIY, V.F.; RAZGON, D.R.; KOLBANEV, I.V.

Paramagnetic resonance spectra of free radicals engendered in  
the mechanical destruction of polymers. Fiz. tver. tela 7  
no.3:941-943 Mr '65. (MIRA 18:4)

1. Institut khimicheskoy fiziki AN SSSR, Moskva.

BUTYAGIN, P.Yu.; Primal uchastiye: KOLBANEV, I.V.

Study of the surface of polymers in the process of dispersion.  
Vysokom. soed. 5 no.12:1829-1836 D '63. (MIRA 17:1)

1. Institut khimicheskoy fiziki AN SSSR.

BUTYAGIN, P.Yu.; KOLBANEV, I.V.; RADTSIG, V.A.

Electron paramagnetic resonance spectra of free radicals in solid  
polymer degradation products. Fiz. tver. tela 5 no.8:2257-2260  
Ag '63. (MIRA 16:9)

1. Institut khimicheskoy fiziki AN SSSR, Moskva.  
(Paramagnetic resonance and relaxation)  
(Radicals (Chemistry)—Spectra)  
(Polymers)

EPF(c)/EWT(m)/EWP(j)/T—Pc-4/Pr-4—RPL RM  
S/0182/65/007/003/0941/0943  
ACCESSION NR: AP5006921

Sharin, P. Yu., Drozdovskiy, V. F.; Jazgon, D. R.; Kolbanev, I. V.

of free radicals produced upon mechanical destruction of  
Vulcanized rubbers.

... v. 7, no. 3, 1965, 941-943

electron paramagnetic resonance, spin spectrum, free radical, vulcan-  
ized rubber, polymer, chemical bond

The purpose of the experiments was to determine the nature of the chem-  
ical bond broken when vulcanized rubber is acted upon mechanically.

The EPR spectra were measured ... the apper-  
tance of the measurements are ...  
... DAN SSSR v. 49, ...  
... details

L 45212-65

ACCESSION NR: AP5006921

2

... the shape of the spectrum practically independent of the nature of the ...

... aimed at explaining the ...

... the ...

... is apparently the result of migration of ...

... of the primary break in the bonds occur in the sulfur bridges.

... has: 7 figures.

... Institut khimicheskoy fiziki AN SSSR, Moscow (Institute of Chemical Physics AN SSSR)

...

ENCL: 10

SUB CODE: OC, SS

NR REF SOV: 006

OTHER: 001

038

Card 2/2

KOLENOVSKAYA, A. S.

"Investigation of the Elastic-Viscous Properties of Rubber Solutions." Thesis for degree of Cand. Chemical Sci. Sub 2 Nov 49, Moscow Order of Lenin State U imeni M.V. Lomonosov.

Summary 82, 18 Dec 52, Dissertations Presented For Degrees in Science and Engineering in Moscow in 1949. From Vechernyaya Moskva, Jan-Dec 1949.



1950

Crude Natural Rubber

Elastic viscous properties of rubber solutions.  
A. N. KULINAVSKAYA and P. A. KAMINSKAYA.  
Zh. fiz. khim., 1950, 24, 191-207; Chem. Abstr.,  
1950, 44, 5179-80. A twisted brass cylinder was  
visually suspended by a torsion wire in a rubber  
solution in an outer cylinder. The wire was twisted  
and the increase of shearing stress,  $\tau$ , with time  
was determined at constant torque. The shearing  
stress  $\tau$  increased rapidly (in 1 sec.) and reverberated  
to a  $\tau_0$  after three more slowly and finally linearly  
(for some hours). Extrapolation of the linear  
part to zero time gives  $\tau_0$ . The initial shearing  
modulus,  $E_0$ , the elasticity modulus,  $E$ , the time  
(relaxation) viscosity along the linear part,  $\eta$ ,  
and the viscosity of elastic deformations,  $\eta_0$ , were  
independent of apparatus, and of torque between  
10 and 200 dyne/cm.  $E_0$  for butadiene solutions  
of marked sheets increased from 110 to 52 g/cm<sup>2</sup>,  
and from 27,000 to 2,500, 2,500, 63 x 10<sup>9</sup>, and 17 x 10<sup>9</sup>  
c.g.s. units respectively when the concentration  
was increased from 3 to 20%. When the con-  
centration of sodium butadiene added in butadiene  
increased from 6 to 20%, these values increased  
from 200, 160, 20 x 10<sup>9</sup>, and 100, respectively, to  
2,600, 1,200, 25 x 10<sup>9</sup>, and 10 x 10<sup>9</sup>, respectively.  
The ratio  $E_0$  to  $(E_0 + E)$  was independent of con-  
centration, being 0.9 for marked sheets and 0.8  
for the synthetic rubber. For 10% solutions of the  
latter in xylene,  $E_0$  decreased linearly when tem-  
perature  $T$  increased from -10 to 30°C, and  $\eta_0$   
and  $\eta$  decreased according to:  $\log \eta = A + B/T$   
( $A$ ,  $B$ , constants);  $E_0$  also decreased, especially  
between -10 and 30°C. The decrease in torque  
was determined with constant shearing stress.  
The system was heated to a combination in series  
of a Maxwell and a Kelvin unit. The periods of  
relaxation calculated for this system from the  
known values of  $E_0$ ,  $E$ ,  $\eta_0$ , and  $\eta$  agreed with  
experiment. Viscosity of 10% solutions of sodium-  
butadiene rubber in xylene, determined in a rota-  
tional viscometer, was independent of shearing  
stress at very small stresses; it was equal to  $\eta_0$ .

CA

**Effect of addition of fillers on the deformation properties of rubber solutions.** A. S. Koshmakhova, P. A. Reinder, and O. I. Luk'yanova. *Kolloid. Zhur.* 12, 208-17(1950); cf. preceding abstr. Addn. of more than 4.8 vol.-% of C black (I) (particle size 0.02-0.06  $\mu$ ), or > 0.7 vol.-% of  $\text{SiO}_2$  (II) (particle size 3.6  $\mu$ ), or > 8.8 vol.-% of  $\text{ZnO}$  (III) (0.8  $\mu$ ) to a 15% soln. of Na-butadiene rubber in xylene gave a yield value

$P_0$ . The magnitude of  $P_0$  was detd. more exactly by finding the value which makes the expression:  $(P-P_0)/(\dot{\epsilon} \cdot d)$  a const.; it was, e.g., 45 dynes per sq. cm. for  $\text{SiO}_2$ . I. Smaller addns. of fillers increased  $E_0$ ,  $E_1$ ,  $\eta$ , and  $\eta'$  but little, but this increase became steep at filler concns. > 5% I, > 7% II, or > 8% III; at these concns. structure appears in the systems. The strengthening effect increased in order III-II-I; e.g., at 8% addn.  $E_0$  was 17,000, 6000, and 1800 for I, II, and III, resp. Stearic acid (IV) acted III, e.g.,  $E_0$  and  $E_1$  of the system contg. 5.2% III was raised from 1000, resp., 44 to 2450, resp., 600 by addn. of 3 wt.-% of IV. Further addn. of IV did not intensify its effect. In the absence of fillers, 0.1% IV depressed, and 1% IV had no effect on,  $\eta$ .  $E_0$ ,  $E_1$ , and  $\eta$  were scarcely affected by IV. Stearic acid acted similarly to and more intensely than IV. BuNH<sub>2</sub> lowered  $\eta$  and  $E_0$ . Benzothiol greatly increased  $E_0$ ,  $E_1$ , and  $\eta$ . Acetone slightly increased  $E_0$  and  $\eta$ . I. I. Rikerman

USSR/Colloid Chemistry. Dispersion Systems

B-14

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 26423

Author : A.S. Kolbanovskaya

Title : Application of Luminescent Microscopy and Radioactive Isotopes to Determination of Degree of Surface Covering of Mineral Particles of Bitumina.

Orig Pub : Kolloid. zh., 1956, 18, No 5, 547-554

Abstract : Methods of study of the distribution of bitumen (I) on the surface of particles of hydrophobic ashes used for heat insulation and water-proofing were developed. I possesses the capacity to fluoresce with a greenish-yellow light, and the ashes remain black under ultraviolet and short blue rays. Scrutinizing the preparations with a luminescent microscope, it is possible to see luminescent sections corresponding to the particle surface covered with I. The fact that when  $Sr^{89}$  is sorbed from the aqueous solution of  $Sr(NO_3)_2$ , it is adsorbed only on the free surface, is used for the quantitative determination of the particle surface part covered with the film of I. If  $Sr^{89}$  was adsorbed preliminarily and the ashes

Card : 1/2

*AU Sci Res Construction Inst, Moscow*

USSR/Colloid Chemistry. Dispersion Systems

B-14

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 26423

were treated later with a solution of I and put into aqueous solution of  $\text{HNO}_3$  of pH = 3 to 5, then the desorption of  $\text{Sr}^{89}$  will take place only from the free surface, and it will be possible to determine the degree of covering by studying the desorption kinetics. It is shown that I covers corners and edges of ash particle first. The surface part covered by I increases with the increase of the amount of the solution taken for the hydrophobization. The treatment with an I solution in green oil is more efficient than with an I solution in kerosene. The introduction into the solution of superficially active additions - acidol and oleic acid results in an increase of the degree, to which the particles are covered.

Card : 2/2

KOLBANOVSKAYA, A.S., kand. khim. nauk

Selecting surface activating aggregates improving the adhesion of  
bitumen to mineral materials. Avt. dor. 21 no. 7:14-15 J1 '58.  
(MIRA 11:8)

(Pavements, Bituminous)

KOLBANOVSKAYA, A.S., kadd. khim. nauk; KHANINA, TS. O., inzh; DAVYDOVA, A.R.,  
inzh.

Investigating surface-active additives and their effect on  
characteristics of asphalt and asphalt concrete. Avt.dor. 21  
no.9:7-9 8 '58. (MIRA 11:11)  
(Road materials--Testing)

KOLBANOVSKAYA, Ada Solomonovna; GORKLYSHIN, Nikolay Vasil'yevich;  
KHANINA, TS.G., red.; IYEVLEVA, T.A., red.isd-va; DONSKAYA,  
G.D., tekhn.red.

[Differential porosity of bituminous mineral materials] Diffe-  
rential'naya poristost' bitumomineral'nykh materialov. Moskva,  
Nauchno-tekhn.isd-vo M-va avtomobil'nogo transp. i shosseinykh  
dorog RSFSR, 1959. 27 p. (MIRA 13:6)  
(Bituminous materials)

KOLBANOVS KAYA, A.S.; DAVYDOVA, A.R.

Surface-active substances added to bituminous mineral blends  
improve their quality and add to their life. Avt.dor. 22

no.11:15-16 N '59.

(MIRA 13:2)

(Bituminous materials)



MIKHAYLOV, V.; KOLBANOVSKAYA, A.

Improving the quality of bitumens. Avt.dor. 23 no.6:  
21-22 J. '60. (MIRA 13:6)

(Bitumen)

MIKHAYLOV, V.V.; KOLBANOVSKAYA, A.S.; KHANINA, TS.G.

New surface-active materials. Avt. dor. 24 no. 1:21-24 Ja '61.

(MIRA 14:2)

(Road materials) (Pavements, Bituminous)  
(Surface-active agents)

GORELYSHIN, N.V., kand.tekhn.nauk; LYUBIMOVA, T.Yu., kand.khim.nauk;  
KOLBANOVSKAYA, A.B., kand.khim.nauk; IVANOV, F.M., kand.tekhn.  
nauk; KELLER, I.M., kand.tekhn.nauk; AGAPOVA, R.A., inzh.;  
TIMOFEEVA, L.D., inzh.; YAKOVLEV, A.I., red.; KOVRIZHNIK,  
L.P., red.; GALAKTIONOVA, Ye.M., tekhn.red.

[Physicochemical methods of characterizing the properties and  
structure of road and building materials] Fiziko-khimicheskie  
metody kharakteristiki svoistv i struktury dorozhno-stroitel'-  
nykh materialov. Moskva, Nauchno-tekhn.izd-vo M-va avto-  
bil'nogo transp. i shosseinykh dorog RSFSR, 1961. 91 p.  
(MIRA 14:12)

(Road materials--Testing)

(Building materials--Testing)

MIKHAYLOV, V.V.; KOLBANOVSKAYA, A.S.

New demands made on road bitumens. Avt.dor. 24 no.5:24-26 My  
'61. (MIRA 14:6)

(Bituminous materials)

KOLBANOVSKAYA, A.S.; GOLOVKINA, O.K.

Chemical composition and properties of road petroleum asphalts.  
Khim.i tekhn.topl.i masel 7 no.2:31-36 F '62. (MIRA 15:1)

1. Gosudarstvennyy vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy  
-institut. (Petroleum products) (Road materials)

DAVYDOVA, A.R.; KOLBANOVSKAYA, A.S.

Effect of surface-active substances on the thermomechanical  
properties of bitumens. Avt. dor. 24 no.7:11-12 J1 '61.

(MIRA 14:7)

(Bitumen) (Surface-active agents)

S/081/62/000/003/060/090  
B149/B102

AUTHORS: Mikhaylov, V. V., Kolbanovskaya, A. S., Khanina, Ts. G.

TITLE: New surface-active substances

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1962, 394, abstract  
3K376 (Avtomob. dorogi, no. 1, 1961, 21-24)

TEXT: Results are given of the studies of influences of 38 varieties of the surface-active substances - anion-active (organic acids, Pb, Ca and Fe salts of organic acids), cation-active (technical resins, tetra-substituted salts of ammonia, fatty amines, non-ionogenics) - on properties of bituminous-concrete. [Abstracter's note: Complete translation.] ✓

Card 1/1

KOLBANOVSKAYA, A.S.; MIKHAYLOV, V.V.; Prinimali uchastiye: YEFIMOVA, L.I.;  
DAVYDOVA, A.R.; GOLOVKINA, O.K.; BUGAYEVA, G.N.

Structural and mechanical properties of bitumens from various  
sources. Part 1: Viscosity, thermal and mechanical properties of  
road bitumens of various chemical compositions. Koll.zhur. 23  
no.6:718-725 N-D '61. (MIRA 14:12)

1. Vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut, Moskva.  
(Bitumen)



KOLBANOVSKAYA, A.S.

Properties of bitumen in thin layers as effected by the nature  
of the underlying stone surface. Dokl. AN SSSR 143 no.5:1159-  
1162 Ap '62. (MIRA 15:4)

1. Gosudarstvennyy nauchnyy dorozhnyy nauchno-issledovatel'skiy  
institut. Predstavleno akademikom P.A.Rebinderom.  
(Bitumen)

KOLBANOVSKAYA, A.S., kand.khimicheskikh nauk; YEFIMOVA, L.I., inzh.

Effect of the nature of bitumen and the surface of rock materials  
on the properties of bitumen in thin layers. Avt.dor. 25  
no.7:15-17 JI '62. (MIRA 15:8)

(Pavements, Bituminous—Testing)

KOLBANOVSKAYA, A.S.; MIKHAYLOV, V.V.; GEZENTSVEY, L.B.

Structural and mechanical properties of bitumens of various  
origin. Part 2. Koll.zhur. 25 no.3:321-328 My-Je '63.

(MIRA 17:10)

1. Vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut.

KOLBANOVSKAYA, A.S.; MIKHAYLOV, V.V.; SOTNIKOVA, V.N.

Rheological conditions of bitumens for road construction. Avt. dor. 26  
no.2:16-18 P '63. (MIRA 16'4)

(Bituminous materials--Testing)

**KOLBANOVSKAYA, A.S.; DAVIDOVA, A.R.; DAVILOVA, K.I.**

Aging mechanism of bitumens of various structures. Dokl. AN  
SSSR 165 no.2:376-379 N '65. (MIRA 18:11)

1. Gosudarstvennyy vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut. Submitted April 15, 1965.

KOLBANOVSKAYA, A.S.; SABSAY, O.Yu.; Prinimali uchastiye: DAVYDOVA, A.R.;  
DAVYDOVA, K.I.

Structure formation of road bitumens. Dokl. AN SSSR 165  
no.4:882-885 D '65. (MIRA 18:12)

1. Submitted April 15, 1965.

KOLBANOVSKIY, D.S.

On the absorption of radioiodine  $I^{131}$  by mucosa of the bladder.  
Urologia 24 no.5:18-19 S-O '59. (MIRA 12:12)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. A.G. Karavanov)  
i urologicheskogo otdeleniya (zav. - zaslushennyy vrach RSFSR M.P.  
Voskresenkiy) Kalininskoy oblastnoy klinicheskoy bol'nitsy.  
(BLADDER physiol)  
(IODINE radioactive)

EXCERPTA MEDICA Sec 17 Vol 5/3 Public Health Mar 59

828. MEDICAL OBSERVATIONS ON CYCLISTS DURING TRAINING FOR A  
LONG-DISTANCE RACE (Russian text) - Kolbanovskii E.Ye. - TEORIYA  
I PRAKT. FIZ. KULT. 1956, 19 (766-777)

Observations were carried out on a group of cyclists training for a long-distance race; the state of the cardiovascular system, respiratory activity, nervous system and gastro-intestinal tract was studied. Following training the cyclists showed lowering of systolic arterial blood pressure and increase of diastolic pressure (most frequently the next day after a period of training) which should be taken into account by doctors. Medical observations during the period of training and of rehabilitation are important for the planning of cyclists' training. (3)



KOLBANOVSKIY, V. N.

27335. KOLBANOVSKIY, V. N. - Velikiy russkiy uchenyy. Sem'ya i shkola, 1949,  
No. 9, S. 4-7.

SO: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

KOLEBANSKIY, V.M.

Personality as an object of study in psychology. Vop.psikhol.2 no.3:  
16-29 My-Je '56. (MLA 9:9)

1.Institut psikhologii Akademii pedagogicheskikh nauk RSFSR, Moskva.  
(Personality)

KOLBANOVSKIY, V.N.

~~L.S. Vygot'skii's~~ L.S. Vygot'skii's psychological views. Vop.psikhol. 2 no. 5104-113  
8-0 '56. (MIRA 10:1)

1. Institut psikhologii Akademii pedagogicheskikh nauk RSFSR, Moskva.  
(Vygot'skii, Lev Semenovich, 1896-1934)

KOLBANOVSKIY, V.

Training of children is a national task. Sov.profsoiuzy 4 no.6;  
14-20 Je '56.

(MLRA 9:8)

(Children--Management)